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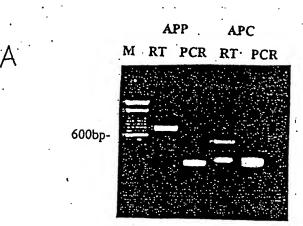
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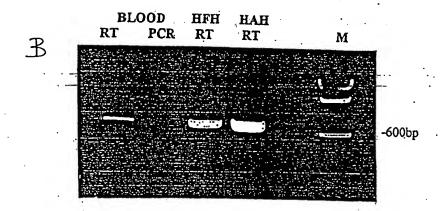
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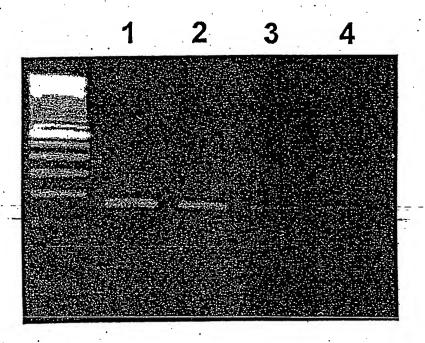
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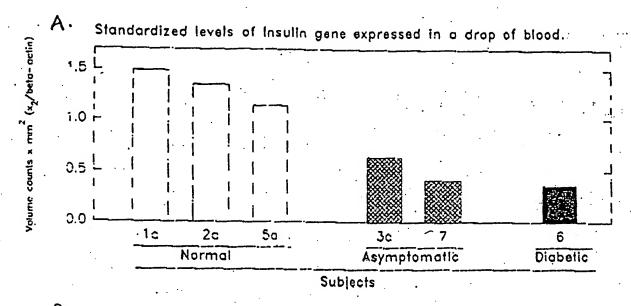
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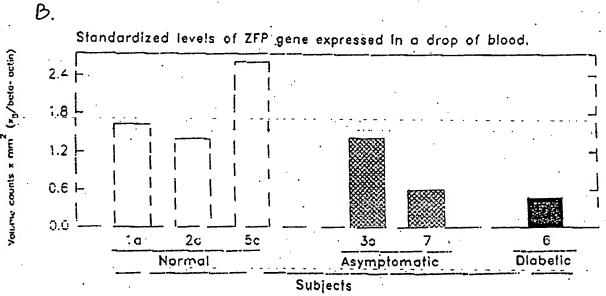


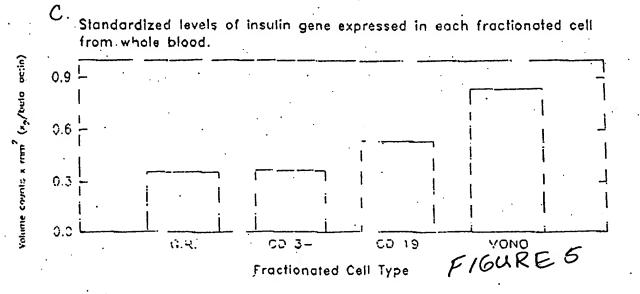
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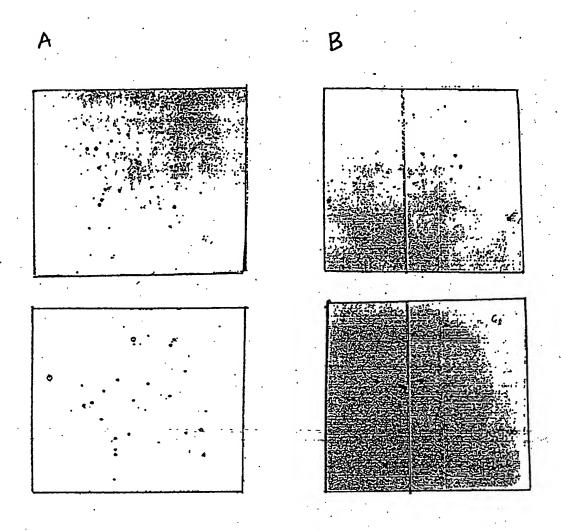


FIGURE 6

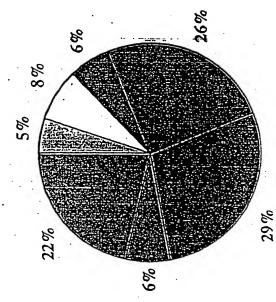
Total:13, 283 ESTs Known: 6,283 Mitochondrial: 405

Cell Division

Ribosome: 498

Repeat: 868 Mis.: 156 Novel: 2,718

### Human Blood



# ☐ Cell Signalling/Communication

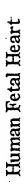
## Cell structure/Motility

Cell/organism defense

🖻 Gene/Protein expression

Metabolism

**回 Unclassified** 



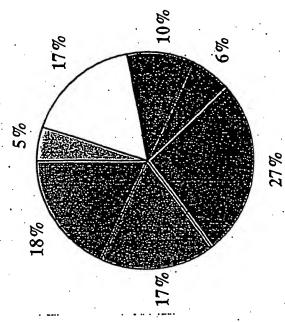
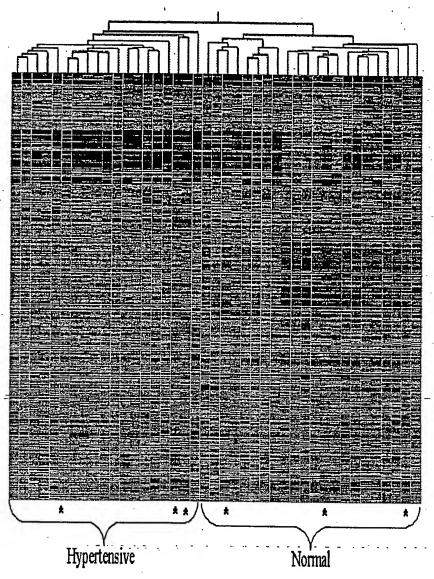


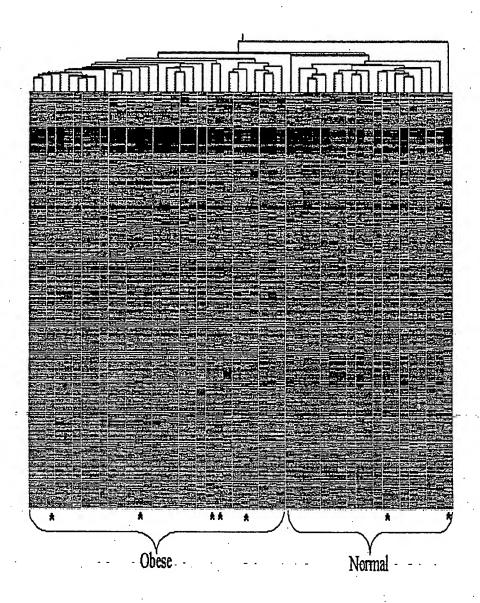
Figure 8
Hypertension



Hypertensive: 19

Normal: 22

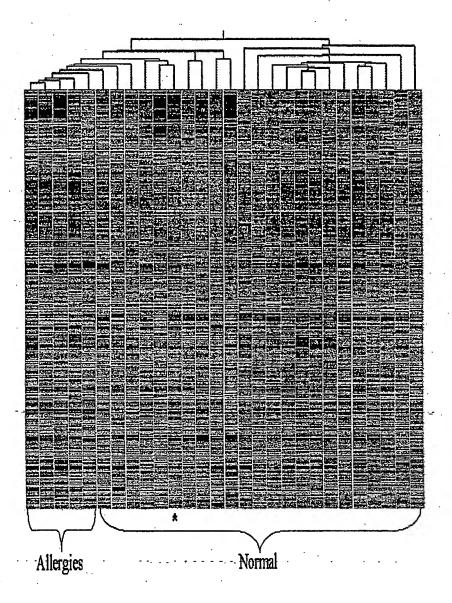
Figure 9
Obesity



Obese: 25

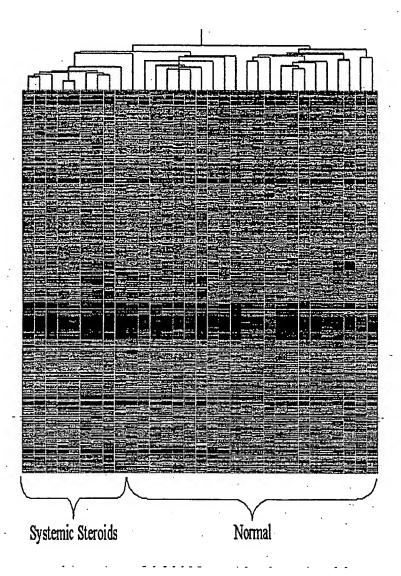
Normal: 22

Figure 10 Allergies



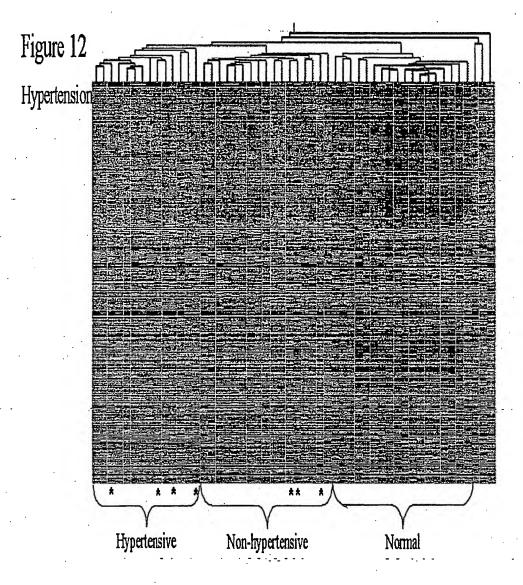
Allergies: 6 Normal: 22

Figure 11
Systemic
Steroids

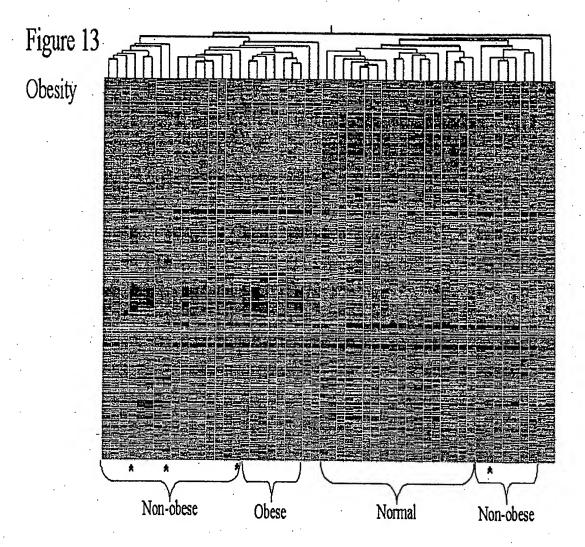


Systemic Steroids: 9

Normal: 22



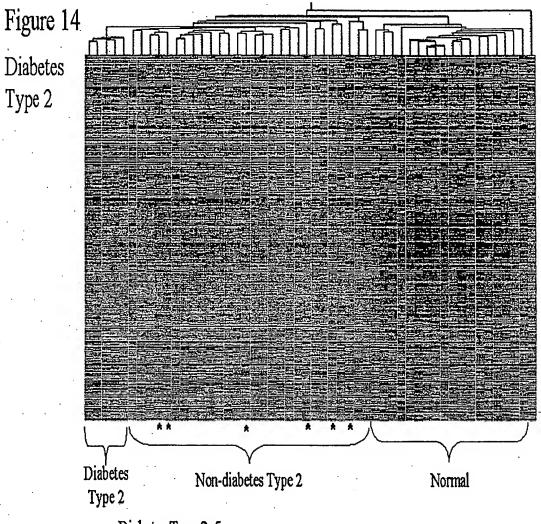
Hypertensive: 10
Non-hypertensive: 18
Normal: 24
Differentially Expressed Genes (p<0.05): 1,993



Obese: 8

Non-obese: 20

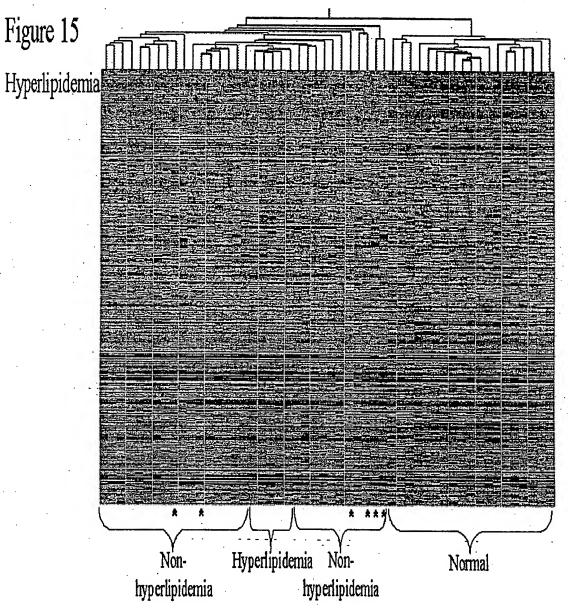
Normal: 24



Diabetes Type 2: 5

Non-diabetes Type 2: 23

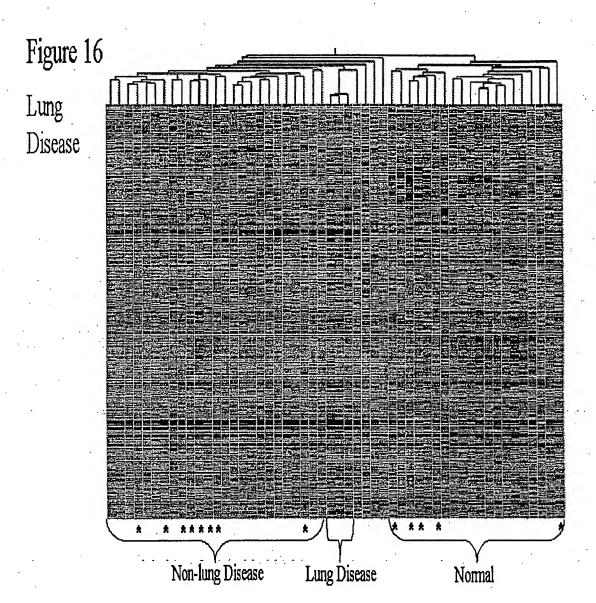
Normal: 24



Hyperlipidemia: 7

Non-hyperlipidemia: 21

Normal: 24

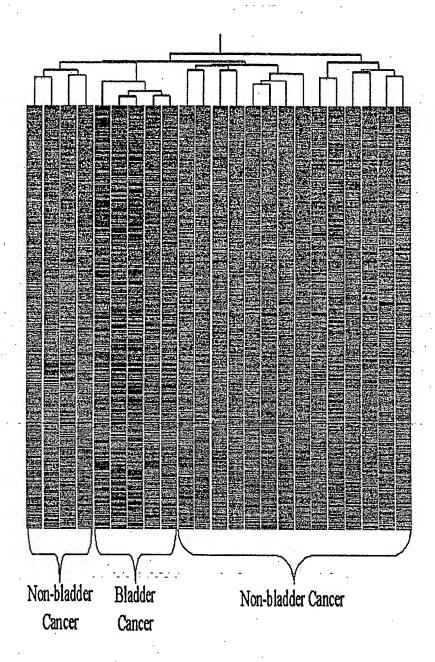


Lung Disease: 3

Non-lung Disease: 25

Normal: 24

Figure 17
Bladder
Cancer

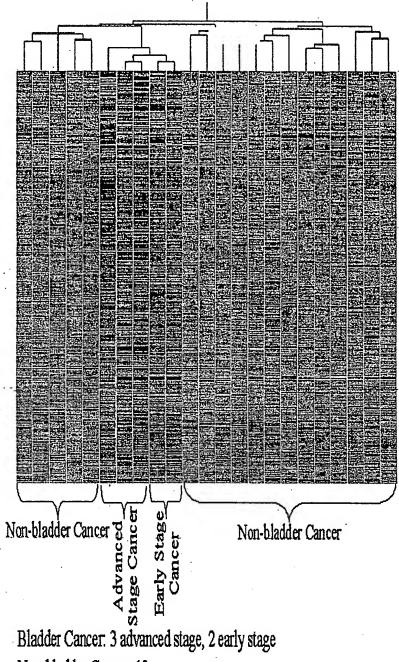


Bladder Cancer: 5

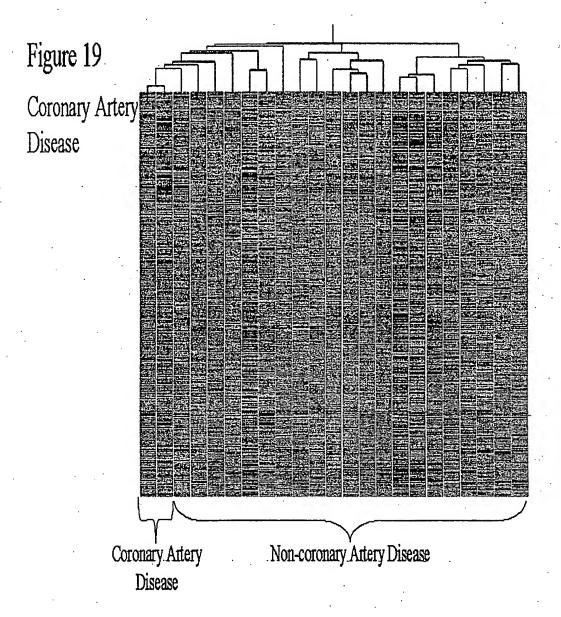
Non-bladder Cancer. 18

Figure 18 Bladder

Cancer



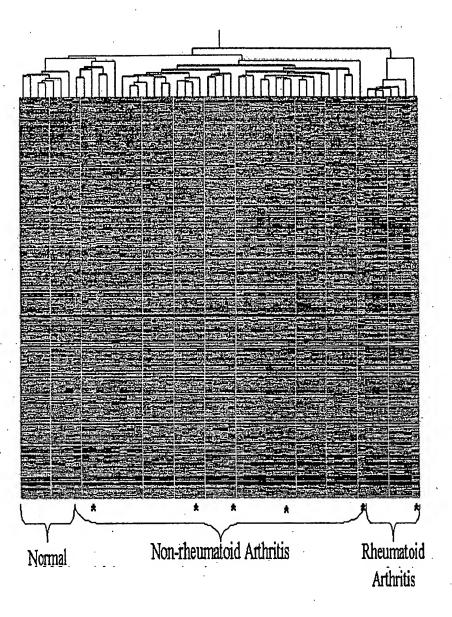
Non-bladder Cancer: 18



Coronary Artery Disease: 2

Non-coronary Artery Disease: 21

Figure 20
Rheumatoid
Arthritis

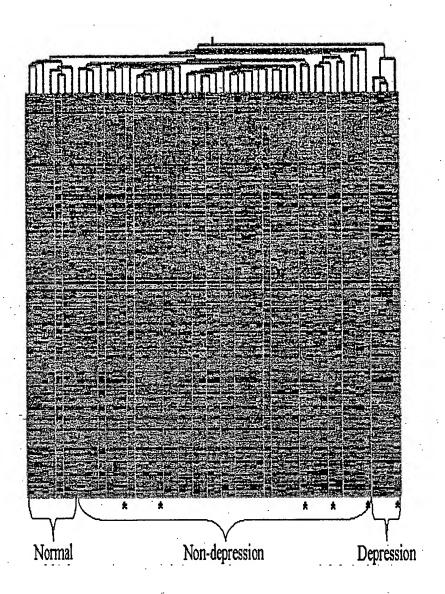


Rheumatoid Arthritis: 6

Non-rheumatoid Arthritis: 34

Normal: 12

Figure 21
Depression

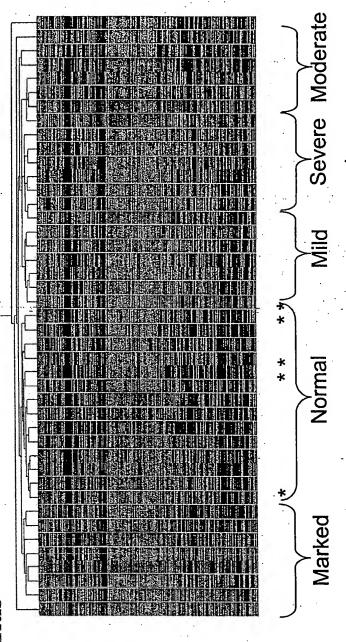


Depression: 3

Non-depression: 37

Normal: 12

Figure 22 Osteoarthritis



Osteoarthritis: 9 mild, 8 moderate, 8 marked, 9 severe Normal: 9

RT-PCR of overexpressed genes in CAD peripheral blood cells identified using microarray experiments, Figure 23

including PBP, PF4 and F13A.

Marker Confr. 1 Confr. 2 Confr. 3 CAD1 CAD2 CAD3 CAD4

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Figure 24

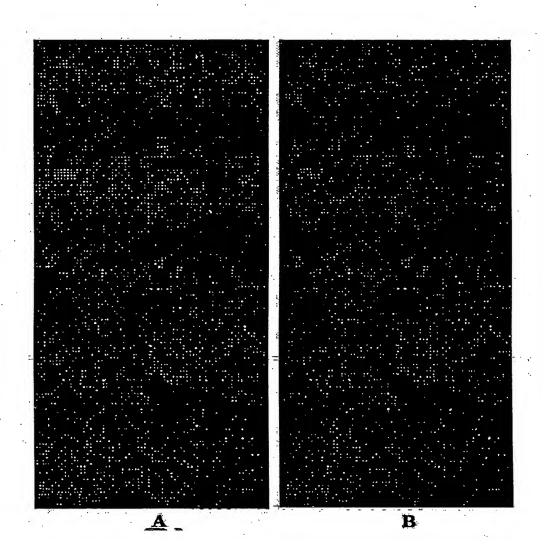
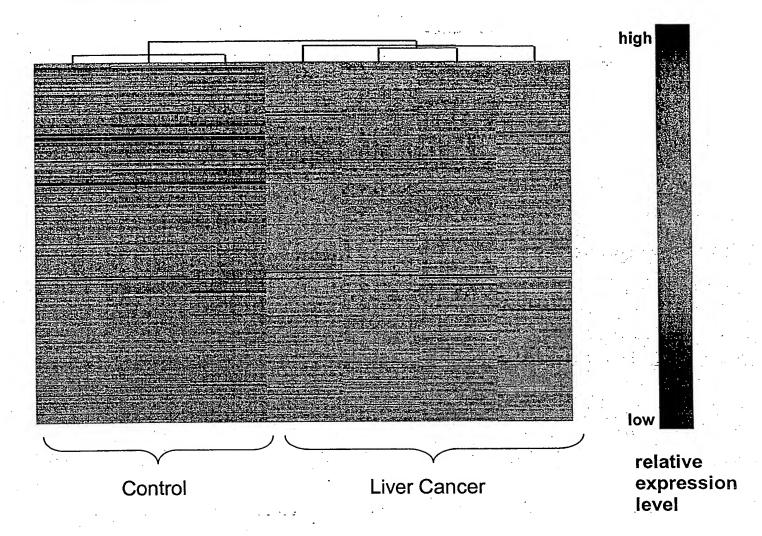
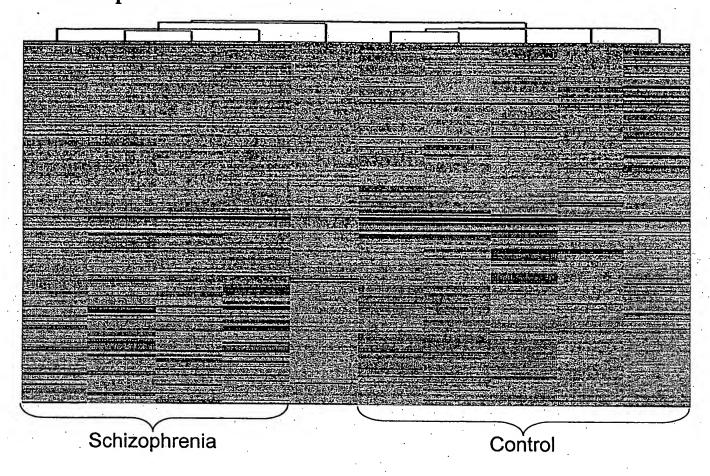


Figure 25
Liver Cancer



Control (red): n=3; Liver Cancer (orange): n=4

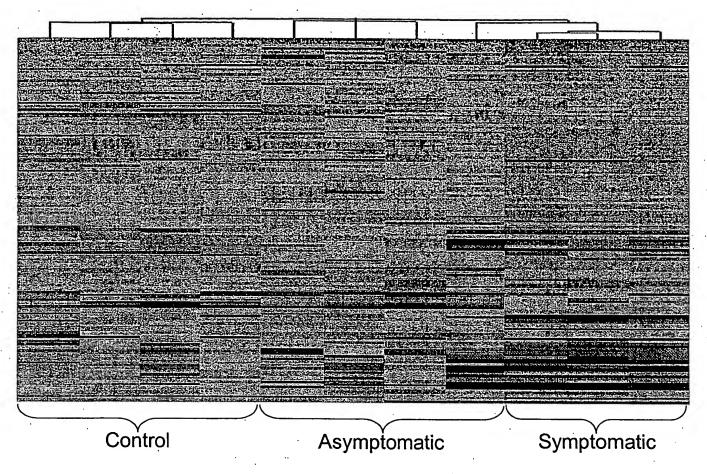
Figure 26
Schizophrenia



Control (red): n=6; Schizophrenia (orange): n=4

p<0.005 252 genes

Figure 27 Chagas Disease

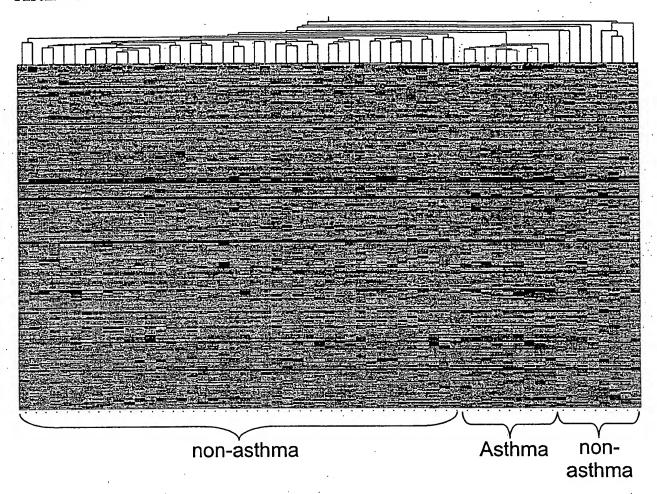


Control (orange): n=4; Chagas' asympt. (red): n=4; Chagas' sympt. (yellow): n=3

p<0.01 155 genes

Figure 28

#### Asthma



Asthma: n=9 Non-asthma: n=50

p<0.05 219 genes

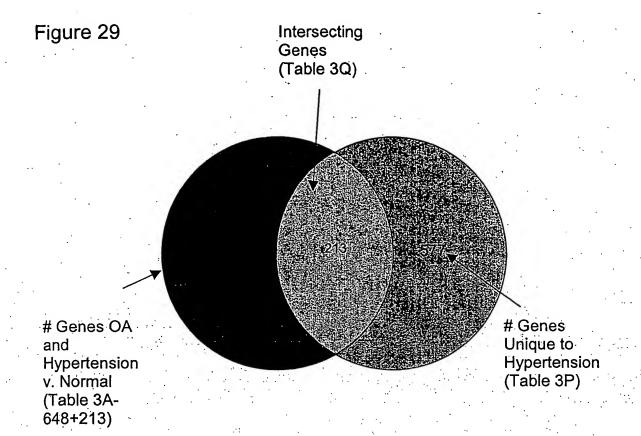
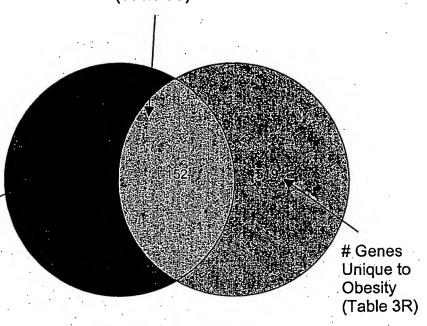
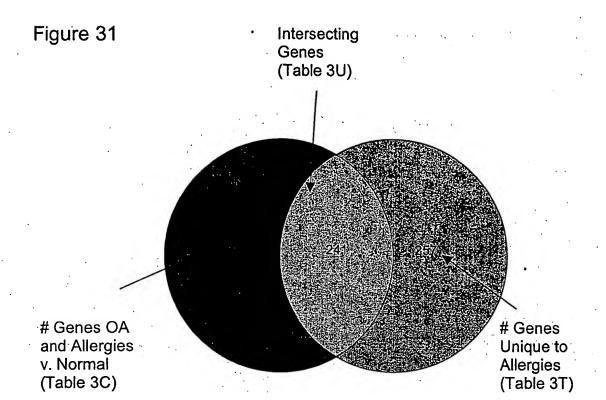


Figure 30

# Genes OA and Obesity v. Normal (Table 3B) Intersecting Genes (Table 3S)





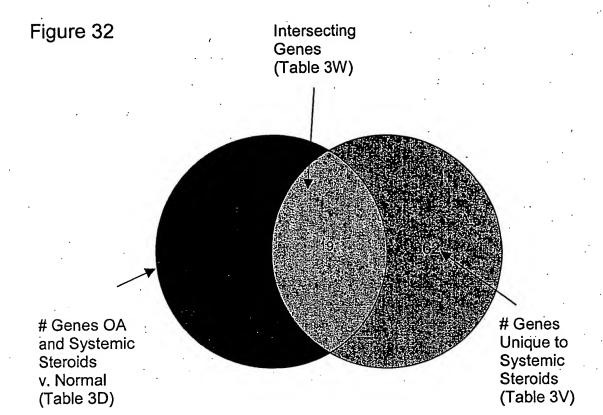
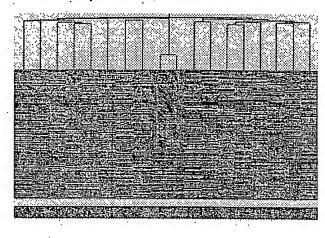


Figure 33

### Schizophrenia, Batch 2 vs. MDS

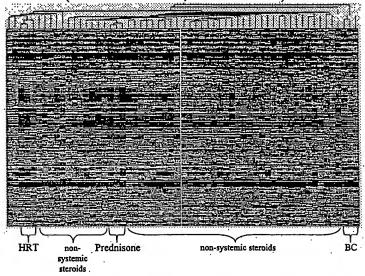


Schizophrenia (yellow): n=16; MDS (blue): n=2

p<0.05 294 genes

MDS = Manic Depression Syndrome

OA Blood Samples Co-morbidities Study: Systemic Steroid Groups (n=59: mild OA blood-29, severe OA blood-30)



Systemic Steroids (n=9): 3 prednisone, 3 birth control, 3 hormone replacement therapy Non-systemic steroids: 50
Differentially Expressed Genes (p<0.05): 396

HRT = hormone replacement therapy; BC = birth control